



# WASHINGTON'S WHEAT ESTIMATING PROGRAM

**NATIONAL AGRICULTURAL STATISTICS SERVICE**  
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**General:** The National Agricultural Statistics Service publishes estimates for winter and spring wheat spanning the crop year. This document shows some of the estimates for the years 2001-2005 and the dates for release of the 2006 estimates. Included are data for:

... the weekly percent of spring wheat and winter wheat and winter wheat seeded, emerged, headed and harvested,  
... winter and spring wheat acreage, yield and production by county, and  
... winter and spring wheat acreage, production, price and value.

Below is a discussion of how the estimates are prepared.

**Surveys:** The survey data used to estimate wheat comes from a series of probability and non-probability surveys conducted throughout the year. A general description of a probability survey is one for which every farming operation has a known probability of being selected and when selected, represents a known number of similar operations throughout the state. Probability surveys produce not only indications for a particular category, but an estimated sampling error associated with each of those indications. Survey information is gathered voluntarily from wheat growers across the State of Washington, except for the price data, which are collected from grain elevators. All individual data collected through any of these surveys are held in the strictest confidence and are used only in combination with other reports to generate state and county level estimates.

Acreage estimates for winter wheat start in December and are updated in March along with the first indication of spring wheat acreage. Acreage is then reviewed using survey data collected in June, with the end-of-year estimates being published in early October.

Yield per acre estimates are based on both data reported by producers, as well as data collected from field observations. Monthly probability yield surveys, conducted from May through August, collect information from producers about their expected yields. Another monthly probability survey, Wheat Objective Yield, collects field observations for winter wheat. Small plots are laid out in about 160 randomly selected fields across the state. Counts are made and clippings are taken for analysis up until harvest. Gross yield per acre and post harvest loss are combined to determine an indication of net yield per acre.

Winter and spring wheat crop progress and conditions are collected and published on a weekly basis throughout the year along with selected weather data. Stocks on hand are estimated four times a year for all wheat. Prices received by farmers are estimated monthly and are then used to derive a market-year average price. County level estimates for acreage, yield, and production are prepared after the annual summary is released in January. Data for the county estimates come from a combination of all the above-mentioned survey data, as well as a very large end-of-the-year acreage and production survey. County Extension Agents and Farm Service Administrators also provide supplemental data.

## Percent Seeded and Emerged, Winter Wheat, Washington, 2001-2005 1/

Activity and Year	SEPTEMBER				OCTOBER					NOVEMBER		
	4	11	18	25	2	9	16	23	30	6	13	20
<b>Seeded</b>												
2001	18	26	54	61	68	80	91	97	99	100	-	-
2002	-	39	65	67	80	90	92	97	99	99	100	-
2003	14	31	42	52	67	75	87	96	99	100	-	-
2004	18	27	45	54	70	84	94	98	99	100	-	-
2005	15	24	40	52	74	79	87	95	97	99	-	-
<b>2001-2005 Average</b>	<b>16</b>	<b>29</b>	<b>49</b>	<b>57</b>	<b>72</b>	<b>82</b>	<b>90</b>	<b>97</b>	<b>99</b>	<b>100</b>	<b>100</b>	<b>100</b>
<b>Emerged</b>												
2001	4	18	33	37	51	64	75	85	90	94	97	99
2002	-	-	-	43	54	65	72	82	90	91	93	95
2003	-	-	-	17	33	39	61	78	84	89	95	97
2004	-	-	22	32	46	63	81	85	91	93	95	97
2005	-	-	15	25	40	44	48	68	72	90	93	94
<b>2001-2005 Average</b>	<b>4</b>	<b>18</b>	<b>23</b>	<b>31</b>	<b>45</b>	<b>55</b>	<b>67</b>	<b>80</b>	<b>85</b>	<b>91</b>	<b>95</b>	<b>96</b>

1/ Available at [www.usda.gov/nass](http://www.usda.gov/nass) every week between April and November, on Tuesdays at 12:00pm ET.

## Winter Wheat: Acreage, Yield, & Production, By Counties, Washington, 2005

County and District	Total Planted	Harvested for Grain								
		Acres			Yield Per Acre			Production		
		Irrigated	Non Irrigated	Total	Irrigated	Non Irrigated	Total	Irrigated	Non Irrigated	Total
<b>COUNTY</b>		<b>Acres</b>			<b>Bushels</b>			<b>Bushels</b>		
Adams	268,500	45,100	216,200	261,300	108.7	43.8	55.0	4,901,720	9,469,780	14,371,500
Asotin	22,500	-	21,800	21,800	-	55.0	55.0	-	1,199,000	1,199,000
Benton	85,100	5,300	77,500	82,800	90.0	30.2	34.0	477,000	2,338,200	2,815,200
Columbia	68,300	1/	1/	66,500	1/	1/	67.0	1/	1/	4,455,500
Douglas	165,000	1/	1/	160,700	1/	1/	56.0	1/	1/	8,999,200
Franklin	69,300	1/	1/	67,500	1/	1/	54.0	1/	1/	3,645,000
Garfield	57,600	1/	1/	56,000	1/	1/	64.0	1/	1/	3,584,000
Grant	140,700	36,800	100,300	137,100	114.0	55.2	71.0	4,195,200	5,538,900	9,734,100
Klickitat	27,900	1/	1/	27,200	1/	1/	28.0	1/	1/	761,600
Lincoln	305,500	17,400	280,000	297,400	95.0	69.5	71.0	1,653,000	19,462,200	21,115,200
Okanogan	9,400	-	1/	9,300	-	1/	51.0	-	1/	474,300
Spokane	99,000	1/	1/	96,200	1/	1/	81.0	1/	1/	7,792,000
Stevens	5,800	-	1/	5,600	-	1/	68.9	-	1/	386,000
Walla Walla	171,200	10,800	155,800	166,600	93.4	73.7	75.0	1,008,640	11,486,360	12,495,000
Whitman	333,400	1/	1/	323,600	1/	1/	85.4	1/	1/	27,640,500
Yakima	14,400	7,300	6,700	14,000	69.9	20.0	46.0	509,980	134,020	644,000
Other Counties	6,400	20,800	798,200	6,400	111.3	70.1	76.2	2,315,460	55,910,540	487,900
<b>DISTRICTS</b>										
West	5,500	-	5,500	5,500	-	77.1	77.1	-	424,000	424,000
Central	137,500	15,500	118,500	134,000	76.1	30.1	35.4	1,180,000	3,563,000	4,743,000
Northeast	105,000	1,500	100,500	102,000	76.0	80.4	80.3	114,000	8,080,000	8,194,000
East Central	949,000	115,500	808,500	924,000	110.4	55.8	62.6	12,746,000	45,119,000	57,865,000
Southeast	653,000	11,000	623,500	634,500	92.8	77.6	77.8	1,021,000	48,353,000	49,374,000
<b>STATE TOTAL</b>	1,850,000	143,500	1,656,500	1,800,000	105.0	63.7	67.0	15,061,000	105,539,000	120,600,000

- Not applicable.

1/ Included in "Other Counties" category. "Other Counties" is a combination of counties that could not be published, plus the irrigated and non-irrigated practice data that could not be published at the county level.

## Spring Wheat: Acreage, Yield, & Production, By Counties, Washington, 2005

County and District	Total Planted	Harvested for Grain								
		Acres			Yield Per Acre			Production		
		Irrigated	Non Irrigated	Total	Irrigated	Non Irrigated	Total	Irrigated	Non Irrigated	Total
<b>COUNTY</b>		<b>Acres</b>			<b>Bushels</b>			<b>Bushels</b>		
Adams	17,800	8,200	9,300	17,500	80.0	33.8	55.4	656,000	314,000	970,000
Asotin	1,000	-	1,000	1,000	-	34.0	34.0	-	34,000	34,000
Benton	13,300	1,800	11,500	13,300	102.8	13.1	25.3	185,000	151,000	336,000
Columbia	16,900	1/	1/	16,800	1/	1/	23.3	1/	1/	392,000
Douglas	12,100	1/	1/	12,100	1/	1/	23.3	1/	1/	282,000
Franklin	10,000	1/	1/	10,000	1/	1/	92.2	1/	1/	922,000
Garfield	12,200	-	1/	12,200	-	1/	25.2	-	1/	308,000
Grant	38,300	32,900	5,300	38,200	97.0	21.0	86.5	3,191,300	111,300	3,302,600
Klickitat	18,000	1/	1/	18,000	1/	1/	23.3	1/	1/	420,000
Lincoln	86,300	4,700	79,500	84,200	86.0	28.8	32.0	404,200	2,290,200	2,694,400
Okanogan	3,300	300	1/	3,300	76.7	1/	51.5	23,000	1/	170,000
Spokane	40,400	1/	1/	40,400	1/	1/	46.5	1/	1/	1,880,000
Stevens	600	-	600	600	-	45.0	45.0	-	27,000	27,000
Walla Walla	29,200	12,400	16,600	29,000	98.0	32.1	60.3	1,215,200	532,800	1,748,000
Whitman	122,200	1/	1/	120,000	1/	1/	39.2	1/	1/	4,707,000
Yakima	5,600	3,800	1,800	5,600	70.0	20.0	53.9	266,000	36,000	302,000
Other Counties	2,800	13,900	221,400	2,800	90.2	36.2	73.2	1,253,800	8,009,200	205,000
<b>DISTRICTS</b>										
West	500	-	500	500	-	52.0	52.0	-	26,000	26,000
Central	42,500	8,500	34,000	42,500	79.6	21.5	33.1	677,000	730,000	1,407,000
Northeast	41,000	1,000	40,000	41,000	86.0	45.5	46.5	86,000	1,821,000	1,907,000
East Central	164,500	55,500	106,500	162,000	93.5	28.0	50.4	5,186,500	2,984,500	8,171,000
Southeast	181,500	13,000	166,000	179,000	95.8	35.8	40.2	1,245,000	5,944,000	7,189,000
<b>STATE TOTAL</b>	430,000	78,000	347,000	425,000	92.2	33.2	44.0	7,194,500	11,505,500	18,700,000

- Not applicable.

1/ Included in "Other Counties" category. "Other Counties" is a combination of counties that could not be published, plus the irrigated and non-irrigated practice data that could not be published at the county level.

### Percent Seeded and Emerged, Spring Wheat, Washington, 2001-2005

Activity and Year	APRIL				MAY			
	3	10	17	24	1	8	15	22
<b>Seeded</b>								
2001	36	50	64	78	89	98	100	100
2002	39	58	70	80	90	94	97	100
2003	36	52	66	83	94	97	100	-
2004	54	76	93	98	99	100	-	-
2005	64	79	89	93	99	99	100	-
<b>2001-2005 Average</b>	<b>46</b>	<b>63</b>	<b>76</b>	<b>86</b>	<b>94</b>	<b>98</b>	<b>99</b>	<b>-</b>
<b>Emerged</b>								
2001	13	17	29	47	65	81	91	98
2002	-	-	-	50	65	71	91	95
2003	7	13	24	49	66	80	88	95
2004	19	46	66	78	85	90	95	99
2005	21	35	45	54	64	80	82	97
<b>2001-2005 Average</b>	<b>15</b>	<b>28</b>	<b>41</b>	<b>56</b>	<b>69</b>	<b>80</b>	<b>89</b>	<b>97</b>

### Percent Headed, Winter and Spring Wheat, Washington, 2001-2005

Activity and Year	MAY					JUNE				JULY	
	1	8	15	22	29	5	12	19	26	3	10
<b>Headed</b>	<b>WINTER WHEAT</b>										
2001	3	6	14	31	41	71	90	97	100	-	-
2002	3	5	6	25	28	50	76	94	100	-	-
2003	2	4	10	17	32	58	80	94	99	-	-
2004	4	7	10	25	54	67	88	92	99	100	-
2005	7	14	29	35	60	87	95	98	99	99	100
<b>2001-2005 Average</b>	<b>4</b>	<b>7</b>	<b>14</b>	<b>27</b>	<b>43</b>	<b>67</b>	<b>86</b>	<b>95</b>	<b>99</b>	<b>100</b>	<b>100</b>
<b>Headed</b>	<b>SPRING WHEAT</b>										
2001	-	-	-	2	12	29	52	72	80	92	99
2002	-	-	-	-	-	-	43	55	82	98	100
2003	-	-	-	1	9	13	28	52	81	96	100
2004	-	-	1	4	12	27	47	59	85	98	99
2005	-	2	4	6	14	40	60	77	95	97	99
<b>2001-2005 Average</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>12</b>	<b>27</b>	<b>46</b>	<b>63</b>	<b>85</b>	<b>96</b>	<b>99</b>

### Percent Harvested, Winter and Spring Wheat, Washington, 2001-2005

Activity and Year	JULY				AUGUST				SEPTEMBER		
	10	17	24	31	7	14	21	28	4	11	18
<b>Harvested</b>	<b>WINTER WHEAT</b>										
2001	4	6	17	41	55	79	96	98	99	100	-
2002	2	8	16	39	60	70	93	98	99	100	-
2003	2	8	16	38	61	79	91	98	100	-	-
2004	3	6	14	32	52	73	85	90	97	99	-
2005	2	8	16	40	58	66	78	90	99	100	-
<b>2001-2005 Average</b>	<b>3</b>	<b>7</b>	<b>16</b>	<b>38</b>	<b>57</b>	<b>73</b>	<b>89</b>	<b>95</b>	<b>99</b>	<b>100</b>	<b>-</b>
<b>Harvested</b>	<b>SPRING WHEAT</b>										
2001	1	4	13	20	29	55	68	90	96	100	-
2002	-	-	-	15	30	55	75	94	99	100	-
2003	2	3	6	17	37	65	85	96	99	100	-
2004	-	-	3	21	39	61	79	88	97	99	99
2005	-	-	7	22	43	53	73	84	96	99	-
<b>2001-2005 Average</b>	<b>-</b>	<b>1</b>	<b>7</b>	<b>19</b>	<b>36</b>	<b>58</b>	<b>76</b>	<b>90</b>	<b>97</b>	<b>100</b>	<b>100</b>

### Wheat: Acreage, Production, Price, and Value, Washington, 2001-2005

Crop And Year	Acreage		Yield Per Acre	Production	Avg. Price Per Unit	Value of Production	Value Per Harv. Acre
	Planted	Harvested					
	<b>1,000 Acres</b>		<b>Bushels</b>	<b>1,000 Bushels</b>	<b>\$ Per Bushel</b>	<b>\$1,000</b>	<b>\$ Per Acre</b>
<b>Wheat, Winter</b>							
2001	1,850	1,750	61	106,750	3.19	340,533	195
2002	1,850	1,800	58	104,400	3.78	394,632	219
2003	1,850	1,800	65	117,000	3.70	432,900	241
2004	1,800	1,750	67	117,250	3.58	419,755	240
<b>2005</b>	<b>1,850</b>	<b>1,800</b>	<b>67</b>	<b>120,600</b>	<b>3.35</b>	<b>404,010</b>	<b>224</b>
<b>Wheat, Spring</b>							
2001	610	600	41	24,600	3.38	83,148	139
2002	600	590	43	25,370	4.03	102,241	173
2003	550	545	41	22,345	3.95	88,263	162
2004	530	525	50	26,250	3.99	104,738	200
<b>2005</b>	<b>430</b>	<b>425</b>	<b>44</b>	<b>18,700</b>	<b>3.85</b>	<b>71,995</b>	<b>169</b>
<b>Wheat, All</b>							
2001	2,460	2,350	55.9	131,350	3.23	423,681	180
2002	2,450	2,390	54.3	129,770	3.83	496,873	208
2003	2,400	2,345	59.4	139,345	3.75	521,163	222
2004	2,330	2,275	63.1	143,500	3.68	524,493	231
<b>2005</b>	<b>2,280</b>	<b>2,225</b>	<b>62.6</b>	<b>139,300</b>	<b>3.45</b>	<b>476,005</b>	<b>214</b>

## Wheat Estimating Program for Washington, 2006 Crop

DATE	REPORT	WINTER WHEAT			SPRING WHEAT		
		Planted Acreage	Harvested Acreage	Yield/ Production	Planted Acreage	Harvested Acreage	Yield/ Production
1/12/06	Winter Wheat Seedings	X					
3/31/06	Prospective Plantings	X			X		
5/12/06	Crop Production	X	X	X			
6/09/06	Crop Production	X	X	X			
6/30/06	Acreage Report	X	X		X		
7/12/06	Wheat Variety Report	1/			1/		
7/12/06	Crop Production	X	X	X	X	X	X
8/11/06	Crop Production	X	X	X	X	X	X
9/29/06	Small Grains Annual Report	X	X	X	X	X	X
1/07	Annual Summary	X	X	X	X	X	X
2/07	County Estimates	2/	2/	2/	2/	2/	2/

Estimate not made for shaded areas. Unless noted, all estimates are at the state level.

1/ Estimates made for Agricultural Statistics Districts, by variety, preliminary planted acreage by county.

2/ Estimates made for Counties.

<u>ALL WHEAT</u>	<u>REFERENCE DATE</u>	<u>DATE RELEASED</u>	<u>REPORT</u>	<u>LEVEL</u>
Stocks	December 1	January 12, 2006	Grain Stocks	State
	March 1	March 31, 2006	Grain Stocks	State
	June 1	June 30, 2006	Grain Stocks	State
	September 1	September 29, 2006	Grain Stocks	State

Production by Class - U.S. level only corresponding to Crop Production: State Data in Annual Summary

Prices	Mid-month*	Last Work Day of Month	Agricultural Prices	State/National
	Full-month**			
	Marketing Year Average	July 29, 2006	Agricultural Prices	National
		August 31, 2006	Agricultural Prices	State

\* Mid-month prices should reflect the average price received by farmers during the 14th-17th of the current month.

\*\* Full month prices should reflect the average price received by farmers for the entire previous month for all methods of sales.